

ABSTRACT

A hologram record carrier has a substrate and a reflective layer, wherein recording or reproducing of information is performed by light irradiation. The hologram record carrier further comprises a holographic recording layer that reserves an optical interference pattern comprising components of coherent reference light and signal light as a diffractive grating therein, and a two-dimensional recording layer that is laminated in a film thickness direction of the holographic recording layer and whose physical property changes in response to light intensity.